

# Recovery Plan Action Status

Plan Name: Recovery Plan for *Catesbaea melanocarpa*

Plan Status: Final

Plan Date: 18-Aug-05

Lead Agency: USFWS

Lead Office: Caribbean Ecological Services Field Office

(787)

851-7297 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
No common name ( <i>Catesbaea melanocarpa</i> )	1	111	Develop landowner agreements to provide for protection of <i>Catesbaea melanocarpa</i> in St. Croix	Not Started			Landowners , Other governmental agency, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Acquisition: Easement, Management: Other	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	
No common name ( <i>Catesbaea melanocarpa</i> )	1	112	Develop landowner agreements to provide for protection of <i>Catesbaea melanocarpa</i> in Penones de Melones, Cabo Rojo, and Puerto Rico	Not Started			Puerto Rico Department of Natural and Environmental Resources, Landowners , Other governmental agency, FWS, Ecological Services Division	Acquisition: Easement	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	
No common name ( <i>Catesbaea melanocarpa</i> )	1	113	Enforce existing Commonwealth, Territorial, and Federal endangered species regulations	Ongoing Current	FY 1995 - FY 1999	FY 2011	Puerto Rico Department of Natural and Environmental Resources, Other governmental agency, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Other: Law Enforcement	Internal Field Assistance	
No common name ( <i>Catesbaea melanocarpa</i> )	1	12	Monitor status of known populations and individuals	Ongoing Current	FY 2006	FY 2012	Universities, Puerto Rico Department of Natural and Environmental Resources, Nongovernmental Organizations, FWS, Ecological Services Division, FWS, National Wildlife Refuge Division, Virgin Islands Department of Planning and Natural Resources	Other	Internal Field Assistance, Species Expert	The Boqueron Field Office have an active program to evaluate known populations and to identify new populations.

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No common name (Catesbaea melanocarpa)	1	21	Conduct surveys within known and historic range of the species	Ongoing Not Current	FY 2000 - FY 2004	FY 2012	Universities, Puerto Rico Department of Natural and Environmental Resources, Nongovernmental Organizations, FWS, Ecological Services Division, FWS, National Wildlife Refuge Division, Virgin Islands Department of Planning and Natural Resources	Other	Graduate Student, Internal Field Assistance, Species Expert	No student is working on this task. However, the Service is actively monitoring the populations.
No common name (Catesbaea melanocarpa)	1	22	Collect biological data and characterize habitat	Ongoing Not Current	FY 2008	FY 2012	Universities, Puerto Rico Department of Natural and Environmental Resources, Nongovernmental Organizations, FWS, Ecological Services Division, FWS, National Wildlife Refuge Division, Virgin Islands Department of Planning and Natural Resources	Research: General, Research: Habitat Requirements	Contract, Graduate Student	No student is working on this task. However, the Service is actively monitoring and visiting the known populations.
No common name (Catesbaea melanocarpa)	1	23	Identify potential habitat for the species and search for new populations	Ongoing Current	FY 2008	FY 2012	Universities, Puerto Rico Department of Natural and Environmental Resources, Nongovernmental Organizations, FWS, Ecological Services Division, FWS, National Wildlife Refuge Division, Virgin Islands Department of Planning and Natural Resources	Research: General, Research: Habitat Requirements, Research: Population Surveys	Graduate Student, Internal Field Assistance	Boqueron field office have an active program to identify new populations.
No common name (Catesbaea melanocarpa)	1	24	Protect new populations	Ongoing Current	FY 2008	FY 2012	Puerto Rico Department of Natural and Environmental Resources, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Acquisition: Easement	Internal Administrative	

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No common name (Catesbaea melanocarpa)	1	31	Assess methods for propagation	Not Started			Botanical Gardens, Universities, Puerto Rico Department of Natural and Environmental Resources, Other governmental agency, FWS, Ecological Services Division, FWS, National Wildlife Refuge Division, Virgin Islands Department of Planning and Natural Resources	Research: Propagation	Contract, Graduate Student	
No common name (Catesbaea melanocarpa)	1	32	Develop a propagation program and determine the appropriate propagation facilities	Not Started			Botanical Gardens, Universities, Puerto Rico Department of Natural and Environmental Resources, Other governmental agency, Nongovernmental Organizations, FWS, Ecological Services Division, FWS, National Wildlife Refuge Division, Virgin Islands Department of Planning and Natural Resources	Management: Propagation	Contract, Internal Administrative	
No common name (Catesbaea melanocarpa)	2	41	Characterize potential recovery sites to determine their suitability for the species	Not Started			Universities, Puerto Rico Department of Natural and Environmental Resources, Other governmental agency, FWS, Ecological Services Division, FWS, National Wildlife Refuge Division, Virgin Islands Department of Planning and Natural Resources	Research: Habitat Requirements	Contract, Graduate Student	

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No common name (Catesbaea melanocarpa)	2	42	Select sites for establishment of new recovery populations	Not Started			Botanical Gardens, Universities, Puerto Rico Department of Natural and Environmental Resources, Other governmental agency, FWS, Ecological Services Division, FWS, National Wildlife Refuge Division, Virgin Islands Department of Planning and Natural Resources	Management: Propagation, Management: Reintroduction	Internal Technical Assistance	
No common name (Catesbaea melanocarpa)	2	43	Ensure site protection	Not Started			Puerto Rico Department of Natural and Environmental Resources, Landowners , Other governmental agency, FWS, Ecological Services Division, FWS, National Wildlife Refuge Division, Virgin Islands Department of Planning and Natural Resources	Acquisition: Easement	Internal Administrative	
No common name (Catesbaea melanocarpa)	2	44	Introduce and monitor plants	Not Started			Puerto Rico Department of Natural and Environmental Resources, Landowners , Other governmental agency, FWS, Ecological Services Division, FWS, National Wildlife Refuge Division, Virgin Islands Department of Planning and Natural Resources	Research: Reintroduction	Contract, Graduate Student	

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No common name (Catesbaea melanocarpa)	2	51	Define habitat requirements	Not Started			Botanical Gardens, Universities, Puerto Rico Department of Natural and Environmental Resources, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Research: Habitat Requirements	Contract, Graduate Student	
No common name (Catesbaea melanocarpa)	2	521	Assess periodicity of flowering	Not Started			Botanical Gardens, Puerto Rico Department of Natural and Environmental Resources, Landowners , Other governmental agency, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Research: Demographic Studies, Research: General	Contract, Graduate Student	
No common name (Catesbaea melanocarpa)	2	522	Assess seed production and dispersal	Not Started			Botanical Gardens, Universities, Puerto Rico Department of Natural and Environmental Resources, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Research: Other Information	Contract, Graduate Student	
No common name (Catesbaea melanocarpa)	2	523	Evaluate seed viability and germination requirements	Not Started			Botanical Gardens, Universities, Puerto Rico Department of Natural and Environmental Resources, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Research: Propagation	Contract, Graduate Student	

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No common name (Catesbaea melanocarpa)	2	524	Evaluate requirements for establishment and growth	Not Started			Botanical Gardens, Universities, Puerto Rico Department of Natural and Environmental Resources, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Research: Other Information, Research: Reintroduction	Contract, Graduate Student	
No common name (Catesbaea melanocarpa)	2	525	Determine genetic structure of the species	Not Started			Botanical Gardens, Universities, Puerto Rico Department of Natural and Environmental Resources, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Research: Genetics	Contract, Graduate Student	
No common name (Catesbaea melanocarpa)	2	53	Conduct taxonomic studies	Not Started			Botanical Gardens, Universities, Puerto Rico Department of Natural and Environmental Resources, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Work type not yet selected	Labor type not yet selected	
No common name (Catesbaea melanocarpa)	2	54	Conduct a threat assessment	Ongoing Not Current			Universities, Other governmental agency, Nongovernmental Organizations, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Management: Other	Internal Field Assistance, Internal Technical Assistance	
No common name (Catesbaea melanocarpa)	3	61	Identify target audiences and key locations for outreach	Ongoing Current	FY 2005	FY 2011	Universities, Puerto Rico Department of Natural and Environmental Resources, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Other: Information and Education	Internal Administrative, Internal Technical Assistance	

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No common name (Catesbaea melanocarpa)	3	621	Develop and distribute educational materials to target audiences	Ongoing Current	FY 2005	FY 2011	Universities, Puerto Rico Department of Natural and Environmental Resources, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Other: Information and Education	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	
No common name (Catesbaea melanocarpa)	3	622	Educate Federal, Commonwealth, and Territorial legislators about Catesbaea melanocarpa conservation and protection	Not Started			Universities, Puerto Rico Department of Natural and Environmental Resources, Nongovernmental Organizations, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Other: Information and Education	Internal Administrative, Internal Technical Assistance	
No common name (Catesbaea melanocarpa)	2	71	Establish communication with Barbuda, Antigua, and Guadalupe	Not Started			Botanical Gardens, U.S. Fish and Wildlife Service, International Affairs, Universities, Other governmental agency, FWS, Ecological Services Division	Other	Internal Administrative, Internal Field Assistance, Internal Technical Assistance	
No common name (Catesbaea melanocarpa)	2	72	Develop international agreements for conservation	Not Started			Botanical Gardens, U.S. Fish and Wildlife Service, International Affairs, Universities, Other governmental agency, FWS, Ecological Services Division	Management: Other	Internal Administrative, Internal Technical Assistance	

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No common name (Catesbaea melanocarpa)	3	81	Determine number of individuals and self-sustaining populations necessary to ensure species survival and recovery	Not Started			Universities, Puerto Rico Department of Natural and Environmental Resources, Nongovernmental Organizations, FWS, Ecological Services Division, FWS, National Wildlife Refuge Division, Virgin Islands Department of Planning and Natural Resources	Research: Demographic Studies	Contract, Graduate Student, Internal Technical Assistance	
No common name (Catesbaea melanocarpa)	3	82	Determine what additional actions, if any, are necessary to achieve recovery criteria	Ongoing Current			Universities, Puerto Rico Department of Natural and Environmental Resources, Nongovernmental Organizations, FWS, Ecological Services Division, Virgin Islands Department of Planning and Natural Resources	Management: Other	Contract, Graduate Student, Internal Technical Assistance	